

WHAT IS CLAIMED IS:

1. A scenario creating device for creating a scenario file to be supplied to a scenario reproducing device capable of reproducing only image files of a predetermined format in accordance with a scenario file for pagewise sequential display of images, the scenario creating device comprising:

an input section including a pointing device;

a display section; and

a scenario creating section for creating the scenario file in accordance with operation of the input section;

wherein the scenario creating section provides a display of an execution icon on the display section for causing the scenario creating section to execute a process; and when a file icon for a source file of a predetermined format including pagewise scenario information and image information is dragged and dropped on the execution icon by means of operation of the pointing device, the scenario creating section creates the scenario file on the basis of the scenario information and generates the image files of the predetermined format on the basis of the image information.

2. A scenario creating method for creating a scenario file in a scenario creating device comprising an input section including a pointing device and a display section, wherein the scenario file is supplied to a scenario reproducing device capable of reproducing only image files of a predetermined format in accordance with a scenario file for pagewise

sequential display of images, the method comprising the steps of:

(a) providing a display of an execution icon on the display section for causing the scenario creating section to execute a process; and

(b) when a file icon for a source file of a predetermined format including pagewise scenario information and image information is dragged and dropped on the execution icon by means of operation of the pointing device, creating the scenario file on the basis of the scenario information and generating the image files of the predetermined format on the basis of the image information.

3. A computer-readable storage medium storing a computer program for creating a scenario file in a scenario creating device comprising an input section including a pointing device and a display section, wherein the scenario file is supplied to a scenario reproducing device capable of reproducing only image files of a predetermined format in accordance with a scenario file for pagewise sequential display of images, the computer-readable storage medium comprising the computer program for causing a computer to implement the functions of:

providing a display of an execution icon on the display section for causing the scenario creating section to execute a process; and

when a file icon for a source file of a predetermined format including pagewise scenario information and image information is dragged and dropped on the execution icon by means of operation of the pointing device, creating the scenario file on the basis of the scenario information and generating the image files of the predetermined format on the basis of the

image information.

4. A scenario creating device for creating a scenario file for pagewise sequential display of images, comprising:

- 5 an input section including a pointing device;
 a display section; and
 a scenario creating section for creating the scenario file in accordance with operation of the input section;

10 wherein the scenario creating section provides a display of a scenario file creation area on the display section, the scenario file creation area including a file management area for displaying source files and a selected source file information area for displaying, in a sequence selected by a user, selected source file information representing information of a source file selected by the user in the file management area; and the scenario creating
15 section creates the scenario file in response to a content of the display in the selected source file information area.

20 5. The scenario creating device according to claim 4, wherein the scenario creating section is capable of creating the scenario file indicating a plurality of source files.

25 6. The scenario creating device according to claim 5, wherein the selected source file information is displayed in the selected source file information area when a file icon for a source file displayed in the file management area is dragged and dropped into the selected source file

information area by means of operation of the pointing device.

7. The scenario creating device according to claim 6, wherein the selected source file information includes page indicating information
5 indicating a page in the selected source file.

8. The scenario creating device according to claim 7, wherein the scenario creation area further includes:

a reduced image display area for displaying pagewise image
10 information as a reduced pagewise image with regard to a source file of a predetermined format including pagewise scenario information and image information, the source file being displayed in the file management area;

and when a reduced pagewise image displayed in the reduced image
15 display area is dragged and dropped into the selected source file information area by means of operation of the pointing device, the selected source file information including the page indicating information is displayed in the selected source file information area.

9. The scenario creating device according to any one of claims 4 to 8
20 further comprising:

a network interface section for connection to a network;

wherein the scenario creating section selects a source file stored in another external device connected to the network, and creates the scenario file.

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10. The scenario creating device according to any one of claims 4 to 9 further comprising:

a scenario supplying section for supplying the scenario file created by the scenario creating section to a scenario reproducing device but not supplying a source file, selected during creation of the scenario file, to the scenario reproducing device.

11. A projector for projecting and displaying images in accordance with a scenario file for pagewise sequential display of images, comprising:

a page image processor for reading out a source file and preparing page image data representing a pagewise image for projected display according to the scenario file stored in a memory;

an electro-optical device for forming image light in response to the page image data; and

a projection optical system for projecting image light obtained with the electro-optical device;

wherein the page image processor prepares the page image data on the basis of the source files of multiple formats.

12. The projector according to claim 11 further comprising:

a network interface section for connection to a network,

wherein the page image processor reads out via the network interface section a source file stored in another external device connected to the network, in accordance with the scenario file.

13. The projector according to claim 11 or 12 further comprising:
a scenario supplying device for supplying the scenario file to the
memory.

5 14. The projector according to claim 13, wherein the scenario
supplying device comprises:

an input section including a pointing device;

a display section; and

a scenario supplying section for supplying the prepared scenario file
10 to the memory;

and wherein the scenario supplying section provides a display of an
execution icon on the display section for causing the scenario supplying
section to execute a process; and when a file icon for a scenario file is
dragged and dropped on the execution icon by means of operation of the
15 pointing device, the scenario supplying section supplies the scenario file to
the memory.

15 15. The projector according to claim 14, wherein the scenario
supplying device further comprises:

20 an operation information generator for detecting operation of the
pointing device by a user and generating operation information on the basis
of detection results;

and wherein the operation information generator, upon supply of the
scenario file to the memory by the scenario supplying section, provides a
25 display of an operation information generation area which is used in

generating operation information due to operation of the pointing device; the operation information generator generating the operation information due to operation of the pointing device only when a pointer image associated with the pointing device is displayed within the operation information generation area, and supplying the operation information to the page image processor;

and wherein the page image processor prepares the page image data according to the supplied scenario file, synthesizes the page image data and embellishment image data on the basis of the operation information, and superimposes an embellishment image represented by the embellishment image data on a predetermined location in a page image represented by the page image data.

16. The projector according to any one of claims 13 to 15, wherein the page image processor automatically initiates processing according to the scenario file when the scenario file is supplied to the memory.

17. A projector for projecting and displaying images, comprising:

a source file supplying device for supplying a source file including pagewise scenario information and image information;

a page image processor for reading out the source file supplied by the source file supplying device and stored in a memory, and preparing page image data representing a pagewise image represented by the image information in accordance with the scenario information;

an electro-optical device for forming image light in response to the page image data; and

a projection optical system for projecting image light obtained with the electro-optical device;

wherein the source file supplying device comprises:

an input section including a pointing device;

5 a display section; and

a source file supplying section for supplying the source file to the memory;

and wherein the source file supplying section provides a display of an execution icon on the display section for causing the source file supplying section to execute a process; and when a file icon for the source file is dragged and dropped on the execution icon by means of operation of the pointing device, the source file supplying section supplies the source file to the memory.

10 18. The projector according to claim 17, wherein the source file supplying device further comprises:

an operation information generator for detecting operation of the pointing device by a user and generating operation information on the basis of detection results;

20 and wherein the operation information generator, upon supply of the source file to the memory by the source file supplying section, provides a display of an operation information generation area which is used in generating operation information due to operation of the pointing device; the operation information generator generating the operation information due to
25 operation of the pointing device only when a pointer image associated with

the pointing device is displayed within the operation information generation area, and supplying the operation information to the page image processor;

and wherein the page image processor prepares the page image data using the supplied source file, synthesizes the page image data and embellishment image data on the basis of the operation information, and superimposes an embellishment image represented by the embellishment image data on a predetermined location in a page image represented by the page image data.

19. The projector according to claims 17 or 18, wherein the page image processor automatically initiates processing according to the scenario information of the source file when the source file is supplied to the memory.

20. A scenario creating method for creating a scenario file for pagewise sequential display of images in a scenario creating device comprising an input section including a pointing device, and a display section, the method comprising the steps of:

(a) providing a display of a scenario file creation area on the display section, the scenario file creation area including a file management area for displaying source files and a selected source file information area for displaying, in a sequence selected by a user, selected source file information representing information of a source file selected by the user in the file management area; and

(b) creating the scenario file in response to a content of the display in the selected source file information area.

21. A computer-readable storage medium storing a computer program for creating a scenario file for pagewise sequential display of images in a scenario creating device comprising an input section including a pointing
5 device, and a display section, the computer-readable storage medium comprising the computer program for causing a computer to implement the functions of:

providing a display of a scenario file creation area on the display section, the scenario file creation area including a file management area for
10 displaying source files and a selected source file information area for displaying, in a sequence selected by a user, selected source file information representing information of a source file selected by the user in the file management area; and

creating the scenario file in response to a content of the display in the
15 selected source file information area.

22. An image display system wherein a file server storing a data file, a projector, and a computer are interconnected via a network,

wherein the computer comprises:

20 input means for inputting data and commands;

data file storage means for storing a data file for display by the projector;

transfer request determination means for determining whether a request for transfer of a desired data file from the data file storage means to
25 the file server has occurred via the input means;

index file generating means for generating an index file that includes transfer destination information of the data file and has smaller file size than that of the data file, when it is determined that a transfer request for the data file has occurred; and

5 transferring means for transferring the data file and the index file to the file server and the projector, respectively;

and the projector comprises:

index file storage means for receiving and storing the transferred index file;

10 decision screen generating means for generating a data file decision screen for deciding a data file desired to be displayed using an index file stored in the index file storage device;

15 transfer requesting means for indicating the file server on the basis of transfer destination information included in the index file associated with the data file decided via the data file decision screen, and requesting transfer of the data file; and

projection display means for receiving and projection displaying the transfer requested data file.

20 23. The image display system according to claim 22, wherein the transfer destination information includes the transfer location and file name of the data file.

25 24. The image display system according to claim 22 or 23, wherein the index file includes password information in addition to the transfer

destination information.

25. The image display system according to claim 24, wherein the transfer request means of the projector further requests entry of a password, and when the entered password matches the password information, requests the file server for transfer of the decided data file.

26. The image display system according to any one of claims 22 to 25, wherein the computer further comprises:

a display screen device for displaying a list of data files stored in the data file storage means and an icon for the projector,

and wherein the transfer request determination means determines that a transfer request has occurred, when the icon for the desired data file from the list of stored data files is dragged and dropped on the icon for the projector in the display screen of the display screen device.

27. A method for transferring a data file generated by a computer comprising the steps of:

deciding a data file for transfer;

determining whether a transfer request for the decided data file has occurred;

generating an index file that includes storage location information of the decided data file and has smaller file size than that of the data file, when it is determined that a transfer request for the decided data file has occurred;

transferring the decided data file to a storage device as a storage destination; and

transferring the index file to a projector.

5 28. The method for transferring a data file according to claim 27, wherein when drag and drop of an icon for the decided data file onto an icon for the storage device has occurred in a display screen of the computer, it is determined that a transfer request for the decided data file to the storage device has occurred.

10 29. The method for transferring a data file according to claim 27 or 28, wherein the index file includes information relating to a password in addition to the storage location information.

15 30. The method for transferring a data file according to any one of claims 27 to 29, wherein the storage device is arranged in a file server connected to the projector and the computer via a network.

20 31. A method for displaying a data file in a projector on the basis of an index file that includes storage location information for the data file and has smaller file size than that of the data file, the method comprising the steps of:

deciding a data file desired to be displayed using the index file;

25 indicating the storage location of the decided data file on the basis of the corresponding index file;

requesting transfer of the decided data file to a storage destination
having the indicated storage location; and
receiving and projection displaying the decided data file.

5 32. The method for displaying a data file according to claim 31,
wherein when the index file contains password information, password entry
is requested; and when the entered password matches the password
information, transfer of the decided data file to a storage destination having
the indicated storage location is requested.

10 33. A projector for acquiring a data file for display via a network from
a file server storing data files, comprising:

input means for inputting data and commands;

15 index file storage means for storing an index file that includes storage
location information for the data file and has smaller file size than that of
the data file;

selection screen generating means for generating a selection screen
for a data file associated with the index file;

20 transfer requesting means for indicating the storage location of a
selected data file using storage location information in the index file
corresponding to the data file selected via the selection screen, and
requesting transfer of the selected data file; and

projection display means for projection displaying of the selected data
file acquired via the network.

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34. A device for transferring a data file via a network having connected projector and file server, comprising:

input means for inputting data and commands;

data file storage means for storing the data file;

5 transfer request determination means for determining if there has been input a transfer request for a desired data file among data files stored in the data file storage means via the input means;

reference file generating means for generating a reference file that includes storage location information for the desired data file and has smaller file size than that of the data file, when it is determined that a transfer request has been input; and

transferring means for transferring the desired data file and the reference file to the file server and the projector, respectively.

15 35. The device for transferring a data file according to claim 34 further comprising:

a display screen device for displaying a list of data files stored in the data file storage means and an icon for the projector,

20 wherein the transfer request determination means determines that a transfer request has occurred, when the icon for the desired data file from the list of stored data files is dragged and dropped on the icon for the projector in the display screen of the display screen device.

36. A computer-readable storage medium storing a program executed on a computer, for transferring a data file generated by the computer,

wherein the program comprises the steps of:

deciding a data file for transfer;

determining whether a transfer request for the decided data file has occurred;

5 generating an index file that includes storage location information of the decided data file and has smaller file size than that of the data file, when it is determined that a transfer request for the decided data file has occurred;

transferring the decided data file to a storage device as a storage
10 destination; and

transferring the index file to a projector.

37. A computer-readable storage medium storing a program for displaying in a projector a data file on the basis of an index file that includes
15 storage location information for the data file and has smaller file size than that of the data file; wherein the program comprises the steps of:

deciding a data file desired to be displayed using the index file;

deciding the storage location of the decided data file on the basis of the corresponding index file;

20 requesting transfer of the decided data file to a storage destination having the decided storage location; and

receiving and projection displaying the decided data file.